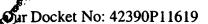
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)		RECEIVED
	Davis et al.) Examiner:	Not Yet Assigned	d SEP 1 8 2002
Application No.: 09/698,536) Art Unit:	2661	Technology Center 260
Filed:	October 27, 2000)		,
For: Dual Mode Uplink/Downlink Location Measurement and Multi-Protocol Location)	RST CLASS CERTIFICATE (37 C.F.R. § 1.8 (a) fifly that this correspondence is s Postal Service as first class mai addressed to the Assistant C C 20231.	being deposited with the Hilliage in
	ant Commissioner for Patents ngton, D.C. 20231	Luda	Date of Deposit Date of Deposit Name of Person Mailing Corres Matheway Sonature	sponderfoay 919/02 Dates

POWER OF ATTORNEY BY ASSIGNEE AND REVOCATION OF PREVIOUS POWERS

Intel Corporation, a Delaware corporation ("Assignee"), having a place of business at 2200 Mission College Boulevard, Santa Clara, California 95052, hereby certifies that to the best of Assignee's kncwledge and belief, it is

[]	()	1.	the assignee of the entire right, title and interest; or
[] 2.		2.	an assignee of less than the entire right, title and interest in the patent application/patent identified above by virtue of either:
			[] A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.

OR

- [X] B. A chain of title from the inventor(s) of the patent application/patent identified above, to the current assignee as shown below:
 - 1. An Assignment from Gregory G. Davis, Richard C. Stribling, Randy L. Engle and Richard M Nelhams to Xircom, Inc., a California corporation. This document was recorded in the United States Patent and Trademark Office at Reel 011690, Frame 0692, and a copy thereof is attached.
 - 2. An Assignment from Xircom, Inc., a California corporation, to Intel Corporation, a Delaware corporation. This document will be recorded in the United States Patent and Trademark Office in due course.
 - [X] Copies of Assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Pursuant to 37 C.F.R. §§ 1.36 and 3.71, Assignee hereby revokes all powers of attorney previously given and appoints Ramin Aghevli, Reg. No. 43,462; William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; Peggy S. Avalos, Reg. No. 42,274; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Lisa N. Benado, Reg. No. 39,995; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Daniel J. Burns, Reg. No. 50,222; Gregory D. Caldwell, Reg. No. 39,926; Thomas M. Coester, Reg. No. 39,637; Robert P. Cogan, Reg. No. 25,049; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Sang N. Dang, Reg. No. 51,186; Mimi Diemmy Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Daniel M. De Vos, Reg. No. 37,813; Justin M. Dillon, Reg. No. 42,486; Sanjeet Dutta, Reg. No. 46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; George Fountain, Reg. No. 37,374; Andre Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Mark A. Goldstein, Reg. No. 50,759; Melissa A. Haapala, Reg. No. 47,622; Alan Heimlich, Reg. No. P48, 808; James A. Henry, Reg. No. 41,064; Libby H. Hope, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Sang Hui Kim, Reg. No. 40,450; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steve Laut, Reg. No. 47,736; George Brian Leavell, Reg. No. 45,436; Samual S. Lee, Reg. No. 42791; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Julio Loza, Reg. No. 47,758; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Richard A. Nakashima, Reg. No. 42,023; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Kenneth B. Paley, Reg. No. 38,989; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; Michael A. Proksch, Reg. No. 43,021; Randol W. Read, Reg. No. 43,876; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Jeffrey S. Schubert, Reg. No. 43,098; George Simion, Reg. No. P47,089; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Ronald S. Tamura, Reg. No. 43,179; Edwin H. Taylor, Reg. No. 25,129; Lance A. Termes, Reg. No. 43,184; John F. Travis, Reg. No. 43,203; Thomas J. Treutler, Reg. No. 51,126; Kerry P. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Tom Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; Archana B. Vittal, Reg. No. 45,182; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Firasat Ali, Reg. No. P45, 715;; Raul Martinez, Reg. No. P46, 904; Brent E. Vecchia, Reg. No. 48,011; and Lehua Wang, Reg. No. P48, 023; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and Alan K. Aldous, Reg. No. 31,905; Ben Burge, Reg. No. 42,372; Robert A. Burtzlaff, Reg. No. 35,466; Richard C. Calderwood, Reg. No. 35,468; Kenneth J. Cool, Reg. No. 40,570; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; Jeffrey B. Huter, Reg. No. 41,086; John Kacvinsky, Reg. No. 40,040; Seth Z. Kalson, Reg. No. 40,670; David J. Kaplan, Reg. No. 41,105; Peter Lam, Reg. No. 44,855; Charles A. Mirho, Reg. No. 41,199; Paul Nagy, Reg. No. 37,896; Leo V. Novakoski, Reg. No. 37,198; Thomas C. Reynolds, Reg. No. 32,488; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells; Reg. No. 43,256

and Charles K. Young, Reg. No. 39,435; my patent attorneys, and my patent agents, of INTEL CORPORATION, with offices located at 2200 Mission College Boulevard, Santa Clara, CA 95052, telephone (408)765-8080; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Pursuant to 37 C.F.R. § 3.71, Assignee hereby states that prosecution of the abovereferenced patent application is to be conducted to the exclusion of the inventor(s).

Send all future correspondence to Mark C. Van Ness, Reg. No. 39,865, at Blakely, Sokoloff, Taylor & Zafman LLP, 12400 Wilshire Boulevard, Seventh Floor, Los Angeles, California 90025-1026, and direct all telephone calls to the same at (303) 740-1980.

Assignee of Interest: INTEL CORPORATION, a Delaware corporation

Dated: 8-27-02

Name: Kenneth J. Cool

Title: ____Senior Patent Attorney

Address of Assignee of Interest: 2200 Mission College Boulevard Santa Clara, California 95052

Respectfully submitted, BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

By: Mark C. Van Nass, Bag No. 20 965

Mark C. Van Ness, Reg. No. 39,865

12400 Wilshire Boulevard Seventh Floor Los Angeles, CA 90025-1026 (303) 740-1980

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, GREGORY G. DAVIS, RICHARD C. STRIBLING and RANDY L. ENGLE, citizens of The United States of America, and RICHARD M. NELHAMS, a citizen of The United Kingdom, (hereinafter referred to as "ASSIGNORS"), have invented and own a certain invention entitled DUAL MODE UPLINK/DOWNLINK LOCATION MEASUREMENT AND MULTI-PROTOCOL LOCATION MEASUREMENT for which application for Letters Patent of the United States of America was filed on October 27, 2000, and was assigned Application No. 09/698,536, and

WHEREAS, XIRCOM, INC., a corporation organized and existing under and by virtue of the laws of the State of California and having a place of business at 2300 Corporate Center Drive, Thousand Oaks, CA 91320 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

WITNESS my hand at this $\frac{Z7}{day}$ day of $\frac{March}{}$, 2001.
Lagra St. M.	
Gregory G. Davis	
Subscribed and sworn before me this 27th day of March	, 2001.

Notary Public in FIPS County, Colorado

WITNESS my hand at this 28 day of _	March	_, 2001.
	Richard Ctillan	
	Richard C. Stribling	
Subscribed and sworn before me this 284	day of March	ے 2001.
·	Nucle R. Bennett	
	Notary Public in FIPass County, Colora	ido
WITNESS my bond at this 79 day of	MARCH.	2001
WITNESS my hand at this 28 day of _		, 2001.
	Randy L. Engle	
Subscribed and sworn before me this 28th	, •	2001
Subscribed and sworn before the this 200	day or 11 ICC CF	, 2001.
	Nicoll R. Bennett	
	Notary Public in El Paso County, Colora	do
WITNESS my hand at this 27 day of _	MARCH	, 2001.
	Richard M 200	
	Richard M. Nelhams	
Subscribed and sworn before me this 27th	day of March	, 2001.
	Micole R. Bennett	
	Notary Public in El Paso County, Colora	do

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Xircom, Inc., a California corporation ("Assignor"), hereby sells, assigns, transfers and conveys to Intel Corporation, a Delaware corporation ("Assignee"), it's successors, assigns and legal representatives, the entire right, title and interest in and to the United States Patent Application Number <u>09/698,536</u>.

and all divisions, continuations, and renewals thereof, and all proceeds therefor (including but not limited to, all license royalties and proceeds of infringement suits) and all United States and foreign letters patents which may be granted on the applications in a country foreign to the United States,

and all reissues, extensions thereof, and in and to any and all causes of action (excepting claims upon the United States of America) for past, present, and future infringement of any of the Letters Patents, or relating to any inventions or discoveries described therein, including the right to collect royalties for all such infringements and the right to sue on all such causes of action for their own use and benefit and the use and benefit to their successors, assigns and legal representatives, each and every of the foregoing rights, titles and interests herein assigned to be held and enjoyed by Assignee, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor had this Assignment not been made.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be duly executed in its name and behalf by affixing its hand and seal thereto by its designated officer, director, or agent, whose name and title appear below.

Executed at Shousand Ooks, C.A. (city and state) this 13 day of ______, 2002.

Xircom, Inc.

Jonathan Y Fre

Controller





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ink/Downlink Location Measurement

Filing/Issue Date:

Serial/Patent No.: DA / 696, 5 Client: Mace | Conce Title: Dual Mode, UP PLANELI, SUNULUFF, IATLUH & ZAFMAN, LLP 8055 EAST TUFTS AVENUE, TTE 1350 **DENVER, CO 8023** (303) 740-1980

WFS FARGO BANK 2699 11-24 1210(8)

July 17, 2002.

PAY FORTY & NO/100

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Director of the United States Patent & Trademark Office Washington, DC 20231-0001

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07/17/2002

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042390.P11619 Intel Corporation

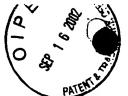
Dual Mode Uplink-Downlink

Location Measurement and Multimus

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				FEE TRANSMITTAL FOR F	Y 2002		
Appl	plete if K	0.	09/698,	TOTAL AMOUNT OF PAYMENT (\$)	40.00		
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MET	HOD OF	PAYME	ENT (ch	eck one)		Technology Cer	nter 2600
1.	[X]	The C any o	commis	sioner is hereby authorized to charge ments to:	indicated fees and	credit	
		Depo Depo	sit Acco	ount Number <u>02-2666</u> ount Name	FIRST	CLASS CERTIFICATE (37 C.F.R. § 1.8 (
	[X]	Charg	ge Any .	, Additional Fee Required Under 37 CFR	1.16 and the United	that this corresponder States Postal Service	nce is being deposit
2.	X	Paym X	Mon	ck ey Order	Commissioner fo	or Patents, Washingto	n, DC 20231.
FEE	CALCUL	ATION	Othe	r			OVIEW
1.	BASIC		FEE		Name	of Person Mailing Con	respondence
<u>Large</u> Fee	Entity Fee	<u>Small</u> Fee	Entity Fee		Sig	nature	Date
Code		Code	(\$)	Fee Description			
101	740	201	370	Utility application filing fee		Fee Paid	
106	330	206	165	Design application filing fee			
107	510	207	255	Plant filing fee			
108	740	208	370	Reissue filing fee			
114	160	214	80	Provisional application filing fee			
					SUBTOTAL (1)	\$ <u>0.00</u>	
2.	EXTRA	CLAIM	FEES		Fee from		
				Extra Claims	below	Fee Paid	
Total	Claims			-20** =	X <u>18.00</u>		
	endent (Claims		-3** =		-	
	ple Depe		_		X <u>84.00</u>	· =	
			siv pai	d, if greater; For Reissues, see belo	· 	. = <u></u>	İ
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Fee	Fee	Fee	Fee				
Code	(\$)	Code	(\$)	Fee Description			
103	18	203	`` ′ 9	Claims in excess of 20			
102	84	202	42	independent claims in excess of 3			
104	280	204	140	Multiple dependent claim, if not paid	1		
109	84	209	42	**Reissue independent claims over o	original patent		
110	18	210	9	**Reissue claims in excess of 20 and	l over original pate	ent	
					SUBTOTAL (2) \$ <u>0.00</u>	





FEE CALCULATION (continued)

3. ADDITIONAL FEES

9, 11		00,000		Telephone Number:303-740-1980	
-		39,865			
Signature: Date:					
		d Name:	Mark (C. Van Ness	
SUBMI	ITTED BY	<u></u>			
'Reduce	ed by Basic	Filing Fee I	Paid	SUBTOTAL (3) \$ <u>40</u>	0.00
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Other fee (specify)					
Other fo	ee (specif	y)			
				application	
179 169	740 900	279 169	370 900	Request for Continued Examination (RCE) Request for expedited examination of a design	
179	740	279		(see 37 CFR 1.129(b))	
149	740	249	370	(see 37 CFR 1.129(a)) For each additional invention to be examined	
146	740	246	370	property (times number of properties) For filing a submission after final rejection	40.00
581	40	581	40	Recording each patent assignment per	40.00
126 581	180	126	180	Submission of Information Disclosure Stmt	
123	50	123	50	Petitions related to provisional applications	
122	130	122	130	Petitions to the Commissioner	
144	620	244	310	Plant issue fee	
143	460	243	230	Design issue fee	
142	1,280	242	640	or unintentionally delayed payment of issue fee Utility Issue fee (or reissue)	
141	1,280	241	640	Petition to revive unintentionally abandoned applicatio	n —
1.41	1 202	044	040	or unavoidably delayed payment of issue fee	.
140	110	240	[*] 55	Petition to revive unavoidably abandoned application	
138	1,510	138	1,510	Petition to institute a public use proceeding	
121	280	221	140	Request for oral hearing	
120	320	220	160	Filing a brief in support of an appeal	
119	320	219	980 160	Extension for response within fifth month Notice of Appeal	
128	1,440 1,960	218 228	720 980	Extension for response within fourth month	
117 118	920	217	460 700	Extension for response within third month	
116	400	216	200	Extension for response within second month	
115	110	215	55	Extension for response within first month	
			.,	Examiner action	
113	1,840*	113	1,840*	Examiner action Requesting publication of SIR after	
112	920*	112	920*	Requesting publication of SIR prior to	
099	8,800	099	8,800	Request for inter partes reexamination	
147	2,520	147	2,520	For filing a request for ex-parte reexamination	
139	130	139	130	Non-English specification	
121	30	441	25	or cover sheet	
127	130 50	205 227	65 25	Surcharge - late filing fee or oath Surcharge - late provisional filing fee	
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<u>Large</u> Fee	Fee	Small E Fee	<u>ntity</u> Fee		

Docket No. 42P11619 Application No. 09/698,536



I (DBV, 3/U1)	orm Cover Sheet U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office				
To the Honorable Commissioner of Patents and Trademarks.	Please record the attached original documents or copy thereof.				
Name of conveying party(les):	2. Name and address of receiving party(ies):				
Xircom, Inc.	Name: Intel Corporation				
Additional name(s) of conveying party(ies) attached? No □Yes	Internal Address:				
3. Nature of Conveyance	Street Address: 2200 Mission College Blvd., Santa Clara, CA 95052				
Assignment Merger					
☐ Security Agreement ☐ Change of Name	City: Santa Clara State/Provence: CA Zip: 95052.				
Other:	Country: USA				
Execution Date(s): 6/13/02	Additional name(s) & address(es) attached?				
Application Number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:					
A. Patent Application No.(s) 09/698,536	B. Patent No.(s)				
Additional numbers a					
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1 RECEIVED				
Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address:	7. Total Fee (37 CFR 3.41)\$40.00 SEP 1 8 2002				
Street Address: 12400 Wilshire Boulevard, 7th Floor	Authorized to be charged to deposit accollachnology Center 2600				
City: Los Angeles State: California Zip: 90025	Deposit Account Number:				
	02-2666				
	(Attach duplicate copy of this page if paying by deposit account)				
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 Statement and signature. To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document 					
Mark C. Van Ness					
Name of Person Signing Sig	pnature Date ver sheet, attachments, and document: 2				
Mail documents to be recorded wi					

Assistant Commissioner of Patents, Box Assignments

Washington, D.C. 20231

Atty Docket No. 42P11619

FIRST CLASS CERTIFICATE OF MAILING (37 C.F.R. § 1.8 (a)) I hereby certify that this correspondence is being deposited with the United States Postal Service mail with sufficient postage in an envelope addressed to the Adsistant Commissioner for Patents, Washington, DC 20231. Name of Person Mailing Correspondence

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Xircom, Inc., a California corporation ("Assignor"), hereby sells, assigns, transfers and conveys to Intel Corporation, a Delaware corporation ("Assignee"), it's successors, assigns and legal representatives, the entire right, title and interest in and to the United States Patent Application Number 09/698,536.

and all divisions, continuations, and renewals thereof, and all proceeds therefor (including but not limited to, all license royalties and proceeds of infringement suits) and all United States and foreign letters patents which may be granted on the applications in a country foreign to the United States,

and all reissues, extensions thereof, and in and to any and all causes of action (excepting claims upon the United States of America) for past, present, and future infringement of any of the Letters Patents, or relating to any inventions or discoveries described therein, including the right to collect royalties for all such infringements and the right to sue on all such causes of action for their own use and benefit and the use and benefit to their successors, assigns and legal representatives, each and every of the foregoing rights, titles and interests herein assigned to be held and enjoyed by Assignee, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor had this Assignment not been made.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be duly executed in its name and behalf by affixing its hand and seal thereto by its designated officer, director, or agent, whose name and title appear below.

day of _______, 2002.

Xircom, Inc.

Jonathan Y Fre

Controller